BRUHAT BANGALORE MAHANAGARA PALIKE

BBMP/2014-15/OW/WORK_INDENT16551

APPROVED SCHEDULE - B

No.EE/BTP/BBMP/E-PMT/08/2014-15, Date: 30.12.2014

Drilling of borewells, providing lighting to pathway and other developmental works to Lakkappa layout park (Singapura) in ward no. 11.

Sl. No.	Approved Qty.	Description	Unit	Approved Tender Rates of GANGADHAR H	
				In Figures	In Words
1	1	Carrying out geophysical survey Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand Pump, MWS or PWSS by vertical electrical sounding by adopting Venner or Schlumbergers's method, including reconnaissance survey of geological formation, Geophysical investigation of existing Ground Water in the vicinity, its quality, quality & acceptability of the users indicating the location of the site, recommended depth of casing pipe required to seal the tope unconsolidated formation including an extra depth 1.0 metre in consolidated formation for aquifr proposed to be tapped probable yield and other information required including transportation of instrument and accessories to work site, engaging technical personal and labour required etc., (PRED SR P-37, I-9.4)	No	1592.00	Rupees One Thousand Five Hundred Ninety Two Only
2	50	Sinking of Borewell of 165 mm clear using fast hydraulic rig of capacity 250 PSIG & above 900 CMF & above in all strata including over brden upto 22 m fixing of casing pipes, collars and cap with necessary cutting and threading including transportation of rig and supporting vehicles, screw charges and cost of cosumable including yield testing at the final depth with a minimum working of compressor for one hour, all as specified. (PRED SR P-36, I-9.1) Up to 50mtr depth	Mtr	263.68	Rupees Two Hundred Sixty Three and Sixty Eight Paise Only
3	50	Above 50 mtr upto 100 mtr	Mtr	343.28	Rupees Three Hundred Forty Three and Twenty Eight Paise Only
4	50	Above 100 mtr upto 150 mtr	Mtr	378.10	Rupees Three Hundred Seventy Eight and Ten Paise Only
5	50	Above 150 mtr upto 200 mtr	Mtr	437.80	Rupees Four Hundred Thirty Seven and Eighty Paise Only
6	50	Above 200 mtr upto 250 mtr	Mtr	477.60	Rupees Four Hundred Seventy Seven and Sixty Paise Only
7	70	Above 250 mtr upto 283 mtr	Mtr	537.30	Rupees Five Hundred Thirty Seven and Thirty Paise Only
8	25	Providing and fixign PVC casing pipe of dia 30 cms of thickness 4 mm inc;uding loaidng and unloading transporation etc., complete	Mtr	1044.75	Rupees One Thousand Forty Four and Seventy Five Paise Only
9	42	Providing of ISI mark 175 mm nominal bore medium black ERW casing ipe of 5mm thick black electric continous welded mild steel tube material confirming to IS 1387/1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mtrs both ends threaded confirming to IS 554 / 1985, one and fixing with a socket and the other end with a plastic protection end (inclusive of all taxes) PRED SR P-II, I-53A	Mtr	1318.38	Rupees One Thousand Three Hundred Eighteen and Thirty Eight Paise Only
10	6	Providing 165 mm dia MS collar, PRED SR P-II, I-55	No	149.25	Rupees One Hundred Forty Nine and Twenty Five Paise Only
11	1	Supply and delivery at site brand new Texmo / Innoval / Lubi / Sabar / Atalanta / Calamal / waterman / Radha make suitable vertical installation in 150mm dia. Borewells comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3Ph., 50Hz. 380/44 volts AC supply fitted with required accessories such as suction. casing, suction strainers, sand guard. Non return valve etc., complete. The pupm and motor shall form an intergal unit with all the required fittings. (As per rate approved by KUWS & DB wef 16-05-2006) 7.5 HP 30 stage	No	39103.50	Rupees Thirty Nine Thousand One Hundred Three and Fifty Paise Only

Signature of the contractor

Executive Engineer

	Approved Qty.	Description	Unit	Approved Tender Rates of GANGADHAR H	
				In Figures	In Words
12	302	Providing and fixing in galvazed/mild steel tubed (Heavey class as per IS 1239 part-1990) 50 mm dia nominal bore with all fittings including cost of all material labour charges. HOM of equipment and testing complete as per specification PWD SR Bangalore Circle 2010-11, P-79, I-13.15	Mtr	400.74	Rupees Four Hundred and Seventy Four Paise Only
13	42	Supply Heavy Duty, galvanized / mild steel color suitable for 32 mm dia nominal bore galvanized / mild steel tube. (BWSSB approved rates)	No	79.60	Rupees Seventy Nine and Sixty Paise Only
14	1	Supply of galvanized / mild steel union suitable for 32 mm dia nominal bore galvanized / mild steel tube (BWSSB Approved rates)	No	370.14	Rupees Three Hundred Seventy and Fourteen Paise Only
15	2	Supply of Galvanized/mild steel elbow suitable for 32 mm dia nominal bore galvanized / mild steel tube (BWSSB approved rates)	No	189.05	Rupees One Hundred Eighty Nine and Five Paise Only
16	1	Supply of Non return valve suitable for 50mm nominal bore galvanized / mild steel tube PWD SR P-XVII, I-466	No	796.00	Rupees Seven Hundred Ninety Six Only
17	1	Erection of pumpset including aligning and balancing with all necessary erection material and labour including supply and erection of two pair of supporting clamps borewell cap, cable and water tight gland cable protectiors, bolts, nuts, etc., involved in the job. (PHE, SR rate)	No	1701.45	Rupees One Thousand Seven Hundred One and Forty Five Paise Only
18	1	Supplying and fully automatic star-delta unit push with suitable wires, 3 contrsctors, one adjustable thermal timer mounted on a common base plate head in steel enclosure for use on 400/440 volts 3 phase and wired after to the existing wooden board for motor, PWD Elec SR P-XIV, I-8a(2)	No	5303.35	Rupees Five Thousand Three Hundred Three and Thirty Five Paise Only
19	1	Supplying and fixing using necessary wires over an existing panel board a single phase preventor suitable for motor upto 20HP capacity. PWD Elec. SR. P-XIV, I-9	No	731.33	Rupees Seven Hundred Thirty One and Thirty Three Paise Only
20	1	Supplying shunt capacitors conforming to IS 2834,3 phase 400/440 volts grade capacitor in KVAR rating, Nos, PWD Elec SR P-24-I-15	No	501.48	Rupees Five Hundred One and Forty Eight Paise Only
21	1	Fabricating supplying and mounting 1200x900x350mm MS box made out 18 SWG suitable for floor /wall mounting, fully weather proof with double slanted top as per drawing with providion for better heat dissipation provided with hinged front cover with clear opening of 100x100mm, protected by glass cover clamped to the door on EB meter sode to facilitate meter reading, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box shoubl be finished with approved colour enameled metal paint etc., complete PWD Elec SR P-42, I-38C	No	10085.32	Rupees Ten Thousand Eighty Five and Thirty Two Paise Only
22	1	Supplying and fixing miniature circuit breakers/Isolatorss on existing MCB distribution boards using necessary fixing materials and wiring complete as required PWD Elec SR P-37, I-FC	No	970.13	Rupees Nine Hundred Seventy and Thirteen Paise Only
23	1	Supplying and fixing angle iron work fabricated out of MS angle iron and MS flat with bolts, nuts, washers etc., and painted with 2 coats of red oxide and other two coats of approved paint PWD Elec SR P-41, I-37(a) a) Angle iron 40x40x6mm	No	238.80	Rupees Two Hundred Thirty Eight and Eighty Paise Only
24	2	Grouting angle iron (P-32, I-11)	No	139.30	Rupees One Hundred Thirty Nine and Thirty Paise Only
25	1	Supplying and fixing regular MCB distribution boards on wall/wood board/flush imounting using required clamps, bolts, nuts etc with provision for fixing suitable type capacity MCB's single phase / 3 phase / single door with power coated painting etc complete PWD Elec SR P-37, I--13f(e)	No	557.20	Rupees Five Hundred Fifty Seven and Twenty Paise Only
26	300	Supplying and replacing copper workshop flexible card or plastic TC wire (As per approved rates Superintending Engineer, RDED Engineering Section, Bangalore vide letter No.2.5sqm flat 3 core copper wire.	Mtr	144.28	Rupees One Hundred Forty Four and Twenty Eight Paise Only
27	3	Supplying and replacing one of the fuse cutouts having porcelain base of approved quality on the existing wooden blockand wired complete (P-44, I-38 63 amps.	No	131.84	Rupees One Hundred Thirty One and Eighty Four Paise Only

Signature of the contractor

Executive Engineer

	Approved Qty.	Description	Unit	Approved Tender Rates of GANGADHAR H	
				In Figures	In Words
28	1	Supplying, fixing, wiring, earth electrode for grounding conduits, IC cutouts and other equipments on the meter board using 40mm dia 2.90mm thickGI pipe 2.5 mtr long buried in apit. The pit should be filled with equal proprotion of salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per IISI specification 7.3.3 of IS 732 using 120mm dia bolt, nuts, washers and chechnus etc, complete the pipe shall have 16 through of 122mm dia PWD Elec SR P-68, I-1	No	1940.25	Rupees One Thousand Nine Hundred Forty and Twenty Five Paise Only
29	30	Supllying and LTUG cable having aluminium conductor PVC insulated sheathed, galvanized, stell wire/ steel tape amounted cable with PVC outsheathing 1.1KV class (conforming to IS 1554) PWD Elec SR P-68&69,	Mtr	149.25	Rupees One Hundred Forty Nine and Twenty Five Paise Only
30	20	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete PWD Elec SR P-70, I-6b	Mtr	49.75	Rupees Forty Nine and Seventy Five Paise Only
31	3	Supplying and fixing of calss A GI pipe on pole / wall / drain crossing with necessary clamping arrangements for UG cable of 1.1KV class (P-59, I-13(a) 40mm upto 16 sqm	Mtr	368.15	Rupees Three Hundred Sixty Eight and Fifteen Paise Only
32	4.32	earth work excavation for foundation of building, water supply, sanitary lines and electrical conditions either in pits or in trenches 1.5m and above in hard soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the escavated soil clean from edges of excavation with lead upto 50m after breaking of complete as per specifications (KSB 2.1) (b) 2.3.5, P-5, 1-2.4)	Cum	263.28	Rupees Two Hundred Sixty Three and Twenty Eight Paise Only
33	1.08	Providing and laying in positionp lain cement concrete of Mix M 7.5 with OPC cement @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.3 PWD S.R. 13-14)	cum	4822.80	Rupees Four Thousand Eight Hundred Twenty Two and Eighty Paise Only
34	3.24	Providing and laying in positionp lain cement concrete of Mix M 15 with cement @ 240 kgs, with 20 mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour HOM of machinery curing complete as per specification, specification No. KBS 4, 1, 4.2 (PageNo.12, Item No.4.6)	cmt	5301.00	Rupees Five Thousand Three Hundred One Only
35	20	Fabricating, supplying and erection of 4 Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, bakelite sheet nd MCBs as per IS specifications suitable to withstand the wind speed of 180 kmph for 4 Mtr pole having dimensions bottom 130mm top 70 mm with 3/4mm thick, suitable base plate and 4 nos of 220x220x12mm long J bolts along with template and the pole shall be galvanized with not less than 65 micron etc., (without foundation for foundation details refer prevatiling Civil SR) a) 4 mtr height (bottomdia 130mm, top dia 70mm, 3mm thick ; size of base plate 220mmx220x12mm;4 Nos M20x700mm long 'J' bolts and nuts) Page 75 Item no. 22.a)	Each	8457.50	Rupees Eight Thousand Four Hundred Fifty Seven and Fifty Paise Only
36	300	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete (As per Civil SR KSRB 1-2, P-7) P-70, I.No.6, b)c) Electrical S.R. 10-11	mtr	49.75	Rupees Forty Nine and Seventy Five Paise Only
37	270	Providing and filling sand in excavated trench to cover already laid UG cable to a depth of 150mm alround the cable (As per civil SR KSRB, I-26, P-8) P./70 I. No.7	mtr	65.67	Rupees Sixty Five and Sixty Seven Paise Only
38	258	supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class I Class 'A' PVC Cable, P.No.68, I. No.4 g) Electrical SR. 10-11 3.5 core 50 sqmm	mtr	338.30	Rupees Three Hundred Thirty Eight and Thirty Paise Only
39	200	b) 2 core 10sqmm	mtr	109.45	Rupees One Hundred Nine and Forty Five Paise Only

Signature of the contractor

Executive Engineer

25/10

	Approved Qty.	Description	Unit	Approved Tender Rates of GANGADHAR H	
				In Figures	In Words
40	4	supply and fixing of heavy duty cable glands suitable for UG cableof 1.1 Kvclass (metal only) P.No.70 I.No.11 e)	Each	258.70	Rupees Two Hundred Fifty Eight and Seventy Paise Only
41	300	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required. P. 69 I.No. 5 I)b) Electrical SR 10-11	mtr	10.95	Rupees Ten and Ninety Five Paise Only
42	3	Supplying and making straight through cable joint with epoxy resin including ferrules and other jointing materials forPVC insulated and PVC sheathed steel tape, wire armoured aluminium conductor cable of 1.1 KV grade of the following sizes P.No.71 I.No.12 d)	each	1203.95	Rupees One Thousand Two Hundred Three and Ninety Five Paise Only
43	20	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen / insulating compound complete with terminals, clamps, bolts, nuts and washers etc., P. 70 I.No.10e) Electrical S.R. 10-11	each	410.94	Rupees Four Hundred Ten and Ninety Four Paise Only
44	20	Supply of 125 Watt HPMV lamp fitting with round/conical/diamond shaped HDPE doom mounted a cast aluminium spigot fitted with VPIT open constructioin low loss heavy duty copper wound ballast, of improvement capcitor complete with lamp holder for fixing of 125 Watts MV lamp suitable to operate on 230V toHz AC supply including 125 Watts HPMV lamp P. No.18 I.No. 8 a)	each	3184.00	Rupees Three Thousand One Hundred Eighty Four Only
45	20	Fixing charges of post top/Gate/Garden fitting on the existing CI/ GI or any other pipe using required size of reducer, wiring using suitable wires etc.,complete Page No.28 I.no.6	each	164.18	Rupees One Hundred Sixty Four and Eighteen Paise Only
46	1	Supplying and fixing regular MCCB distribution panel confirm to IS 8828, on wall / wood board / flush mounting using required clamps, bolts, nuts etc., with provision for fixing of suitable type capacity MCCB's as an incomer for 3 phase Doubledoor with necessary bus bard completely wired to use on 440 Vots 3 Phase 4 wire powder coated painting etc., complete with a provision for fixing of single/ three phase suitable capacity MCCB/MCB's as outgoing confirming to IS8828 P No.36 I.No.11 a)	each	5805.83	Rupees Five Thousand Eight Hundred Five and Eighty Three Paise Only
47	2	Supplying 100 Amps rated 3 phase with neutral bus bar using required capacity electrolytic alluminium strips covered with heat shrinkable coloured PVC sleeve, mounted on phenolic / FRP/DMC insulator which are mounted on powder coated 40x6mm M.S. flat frame work in existing panel board. The bus bar shall have suitable holes for terminatioin of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete P. No.41, I. No.36 a)	Rmtr	1592.00	Rupees One Thousand Five Hundred Ninety Two Only
48	1	Supply and fixing of MODULAR MCB Devices (Tripper) with Breaking capapcity of 6KVA Page No.43 I.No. 43, II.	each	870.63	Rupees Eight Hundred Seventy and Sixty Three Paise Only
49	1	Supplying, fixing, wiring, earth electrode for grounding conduits,I.C. cutouts and other equipments on the meter board using 40mm dia 2.90 mm thick GI pipe 2.5 mtr long burried in a pit..... The pit should be filled with equal proprotion fo salt and charcoal 150mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and checknuts etc., the pipe shall have 16 through holes of 12mm dia P. No68 I. No.1	Each	1940.25	Rupees One Thousand Nine Hundred Forty and Twenty Five Paise Only
50	1	Fabricating supplying and mounting 1200x900x350mm MS box made out 18 SWG suitable for floor /wall mounting, fully weather proof with double slanted top as per drawing with providion for better heat dissipation provided with hinged front cover with clear opening of 100x100mm, protected by glass cover clamped to the door on EB meter sode to facilitate meter reading, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box shoubl be finished with approved colour enameled metal paint etc., complete PWD Elec SR P-42, I-38C	Each	10085.32	Rupees Ten Thousand Eighty Five and Thirty Two Paise Only

Signature of the contractor

Executive Engineer

	Approved Qty.	Description	Unit	Approved Tender Rates of GANGADHAR H	
				In Figures	In Words
51	1	Manufacturing, Providing and Fixing a Gazeboo (of size 22 feet Dia-Approximate) made of MS Round pipes of 6 inches diameter of 12 SWG for pillars 10 feet in height, in which 8 ft will be above the ground level and 2 feet embedded in cement concrete and provided with MS plate on top of the pillars. MS I section 100x50mm of heavy guage (for rafters) in placed between the poles on top of the flush plate. Also MS anglular tubes of 100x40mm are to be mounted vertically on all 8 pillars. MS angular tubes of 40x20mm reepers are welded horizontally in between the rectangel tubes for a distance of 1 feet approximately so as to get the desired octoganal shape, for fixing approved guality corrugated Mangalore tiles on the roof (2 layer as per design) Flat design tiles and pointed with cement mortor. The Gazebo is to be fixed on a suitable platform, thecentral height being 15 to 16 feet and including allround bed concrete 1:4:8 and size stone masonry foundation as per the aprroved design, drawing, specifciation. The MS pipes are to be fixed with CC 1:1.5:3 and the flooring is constructed with classic Eeurocon tiles placed on cement concrete 1:4:8 and tampered with fine red earth, with cement slurry. The work includes earth work excavation,	Each	385985.38	Rupees Three Hundred Eighty Five Thousand Nine Hundred Eighty Five and Thirty Eight Paise Only
52	30	Providing and fixing stone PARAGOLA 20cm x 20 thick granite pargolas fully polishind on all four sides, machine cut as per the deisign. The vertical pillers are to be fixed in cement concrete 1;2:4 the work includes cost of all materials, labour equipments, machineries, lead & lifts loading and unloading etc., complete and execute the work as per the instructions, directions of the Engineer Engineer	rmt	3980.00	Rupees Three Thousand Nine Hundred Eighty Only
53	4	Providing and fixing dust bins as per designs, drawing specification and direction of Engineer in charge of works	Nos	4776.00	Rupees Four Thousand Seven Hundred Seventy Six Only

Signature of the Contractor

Executive Engineer
Byarayanapura Division
BBMP, Bangalore - 92

25/03

25/03